AUTHOR INDEX AND SUBJECT INDEX

TO

VOLUME 92

THE AMERICAN JOURNAL OF SURGERY, INC.

Author Index to Volume 92

Adams, L. H., 12
Adams, S., 929
Adams, W. M., 12
Ahlquist, R. E., Jr., 156
Albertson, H. A., 423
Alexander, R. M., 683
Alford, J. E., 648
Arnheim, E. E., 436
Augustine, R. W., 380

Bacon, H. E., 688, 752
Baker, H. W., 416
Baker, S. C., 616
Ballantyne, L. W., 852
Bell, H. G., 156
Bernstein, D. E., 174
Bethea, H., 120
Biskind, G. R., 174
Blocker, T. G., Jr., 103
Boley, S. J., 624
Boyan, C. P., 356
Brandt, W. E., 640
Brizzolara, L. G., 292
Brock, D. T., 710
Bromberg, F., 608
Brown, A. L., 174
Brown, J. B., 801
Burman, R. G., 37
Burns, F. J., 704

Carlson, E., 445
Carroll, P. T., 688
Case, T. C., 493
Castagno, J., 300
Castigliano, S. G., 899
Cates, B. A., 688
Cincotti, J. J., 620
Cliffton, E. E., 496
Clifton, R. B., 890, 894
Close, M., 194
Cohn, R., 189, 194
Colbeck, J. C., 233
Collins, J. H., 37
Cox, T. R., 476
Craig, W. McK., 48
Crawford, H., 61
Cressman, R. D., 318
Cronin, T. D., 810
Crystal, D. K., 255
Culver, G. J., 648
Curtis, A. C., 908

Dack, G. M., 765
Dadey, J. L., 770
Dagradi, A. E., 202
Daily, F. W., 423
Dalitsch, W. W., 817, 931
Davis, A. D., 115
Davis, H. A., 325
De Riemer, R., 636
Del Junco, T., 271
Dickey, L. B., 162
Dingman, R. O., 908
Dobson, L., 162
Dockerty, M. B., 657
Dunn, F. S., 825
Dupertuis, S. M., 68

Epsteen, C. M., 603, 799

Fallis, L. S., 696
Ficarra, B. J., 472
Figi, F. A., 48
Finnerty, U. R., 668
Firfer, R., 628
FitzGibbon, J. H., 915
Foster, F., 770
French, S. W., 111, 300
Friedman, M. N., 620
Fryer, M. P., 801
Fuzy, P. J., Jr., 748

Galletti, G., 648
Gambee, L. P., 139, 222
Garnjobst, W., 222
Genest, A., 904
Georgiade, N., 61
Gerbode, F., 287
Gerwig, W. H., Jr., 616
Girvin, G. W., 240
Gius, J. A., 333
Goldyne, A., 445
Gray, D. B., 490
Greenberg, M. W., 622
Griffith, C. A., 462
Grotting, J. K., 937

Hass, A., 409
Hardin, J. C., Jr., 890, 894
Harding, R. L., 96
Hardwick, C. E., 222
Hardy, S. B., 107
Harkins, H. N., 462
Harper, H. A., 292
Harper, J. R., 562
Hickey, M. J., 852
Hine, D. E., 292
Holt, J. H., 562
Hotchkiss, R. S., 403
Howard, M. A., 142, 532
Howland, W. S., 356
Howorth, M. B., 573
Huber, F., 632
Hudson, L. H., 476
Huffman, W. C., 828
Hullsiek, H. E., 735
Hurt, R., 287
Hutchinson, W. B., 151
Hyslop, V. B., 833

Jackman, R. J., 657
Jackson, A. S., 466
Jacobson, J., 370
Jenney, J. A., 806
Joergenson, E. J., 325
Johnston, P. W., 208
Judovich, B., 441
Jurayj, M., 333

Kaye, B. B., 123
Kazmann, H. A., 469
Kilgore, A. R., 156
Killius, J. L., 482
Kiriluk, L. B., 151
Klabunde, E. H., 4
Knorr, J. K., 480
Kostrubala, J. G., 885
Kurth, M. E., 48

Lamphier, T. A., 453
Lange, H. J., 271
Leech, T. R., 920
Lichtor, A., 458
Lichtor, J., 458
Liddle, H. V., 261
Lierle, D. M., 828
Lin Min Ou Yang, 688
Linder, J. M., 436
Littler, J. W., 88
Littna, H., 606
Lobb, A. W., 255
Long, A. H., 4
Longacre, J. J., 18
Luttwak, E. M., 374

Author Index

Macdonald, J. A., 852
Madden, J. L., 341
Madding, G. F., 636
Magladry, W. G., Jr., 189
Maguire, C., 61
Martin, B. C., 920
Martin, G. M., 792
Mathews, N. M., 37
Mathewson, C., Jr., 300
McCann, W. J., 341
McCorkle, H. J., 292
McCrea, L. E., 752
McGinn, J. T., 594
McGregor, M. W., 57
McGregor, R. A., 688
McLaughlin, B. F., 636
McLaughlin, C. W., Jr., 558
McMahon, W. A., 739
McNichol, J. W., 107
Meloy, W. C., 96
Merendino, K. A., 240
Michele, C. T., 480
Miller, D., 248
Mills, J. T., 75
Moore, A. E., 700
Moorhead, J. J., 571
Morales, P. A., 403
Mosely, J. M., 26
Mouzas, G. L., 632
Movius, H. J., 202, 208
Muller, W. H., Jr., 261
Murtagh, F., 393
Musgrave, R. H., 68

Newman, B., 490
Nissen, R., 389
Nobel, G. R., 441
Nohlgren, J., 214
Nyhus, L. M., 462

O'Connor, G. B., 4, 57
O'Connor, J. J., Jr., 403
Organ, C., 558
Osborn, J., 287
Owens, N., 1

Parnassa, P., 620
Peer, L. A., 40
Perkins, H., 287
Perlow, S., 566
Pfaff, J., Jr., 704
Pfotenhauer, M. A., Jr., 300
Pickrell, K., 61
Pierce, G. W., 4
Polakoff, P., 441
Ponka, J. L., 545
Poppe, J. K., 248
Presman, D., 628
Pridgen, J. E., 54

Raad, M. A., 616
Rakietan, M. L., 608
Rankow, R. M., 852
Ransom, H. K., 672
Redding, M. D., 666
Rees, T., 496
Reimer, G. W., 318
Riley, R. F., 261
Ritter, S. A., 409
Robertson, H. R., 233
Robinson, I. B., 840
Robinson, M., 857
Rosenblatt, M. S., 142
Ross, S. T., 645
Rothenberg, R. E., 624
Rowe, R. J., 710
Rowland, A. L., 849
Rudy, N. E., 314
Rumbaugh, R. St. C., 482
Ryan, B. J., 608
Ryan, J. A., 9

Sagen, W., 441
Saltz, N. J., 374
Saltzstein, H. C., 428
Sarnat, B. G., 840
Scanlon, P. W., 787
Schluger, J., 594
Scholl, V., 214
Schultz, L. W., 925
Schwartz, A. D., 486
Schweizer, O., 356
Scott, M., 393
Seabrook, D. B., 214
Shapiro, R. A., 566
Sherman, P., 806
Shevick, B. B., 538
Shearburn, E. W., 480
Sinclair, E. A., 9, 836
Smith, A. E., 857
Smith, G. K., 314
Smith, R. T., 228
Snyder, C. C., 81
Solosko, A., 482
Spier, I. R., 496
Steffensen, W. H., 9, 836
Stempien, S. J., 202
Stephenson, K. L., 26
Stern, E. L., 507, 514
Stevens, R., 214
Straatsma, C. R., 94
Stuteville, O. H., 864
Sutherland, W. H., 233
Swartzlander, F. C., 657
Swinton, N. W., 727

Tarnai, C., 872
Tennison, C. W., 54
Thatcher, B., 248
Trabue, J. C., 920
Trommald, J. P., 307
Trout, H. H., Jr., 423
Turnbull, R. B., 781

Uhlmann, E. M., 877

Vernon, S., 339, 361
Villalba, G., 688

Wagner, C. L., 255
Walden, R. H., 915
Warner, B. W., 743
Weinberg, J. A., 202
Wenzel, J. F., 678
Westerband, A., 624
Weston, G., 194
Wexler, D. J., 608
Wickman, W., 453
Wilbur, B. C., 318
Wilhelm, M. C., 240
Wise, R. A., 416
Wohlgemuth, P. R., 915
Wolfe, J. J., 929
Woolley, M., 325
Wycis, H. T., 393
Wynn, S. K., 833

Zech, R. K., 462
Zukaukas, C. L., 469
Zwemer, T., 833

Subject Index to Volume 92

(E.) = Editorial

Abdomen
  acute surgical lesions of, 325
  closure of wall defect of, in exstrophy of bladder, 9
  reconstruction of entire anterior wall of, 54
  wound disruption of, with eventration, 271
Adamantinoma, surgery for, 852
Adrenalectomy and oophorectomy with autotransplantation of adrenal cortex to mesentery for carcinoma of breast, 174
Agenesia, bilateral facial, 81
Ampulla, obstruction of, transduodenal approach in, 409
Anastomosis
  arterial, growth of, 462
  single layer, in colon surgery, 222
Aneurysms, arterial, vascular grafting in replacement of, 255
Angiomas of face, 849
Anorectal disease, physical therapeutic methods in, 792
Anorectoplasty, 739
Appendectomy
  during first stage of labor, 480
  extrusion of macerated fetus and placenta through wound of, 624
Appendicitis, acute, in infancy and childhood, 558
Arteries, deformities of, excisional treatment for, 261
Arteriosclerotic lesions, vascular changes in, 370
Axilla, burn scar contractures of, 68

Bartholin's gland, carcinoma of, 490
Benzyl cinnamate with vitamin A solution of, for arteriosclerotic lesions, 370
Biliary obstructive syndrome, 307
Biopsy, transparency, of rectal mucous membrane in diagnosis of schistosomiasis mansoni, 743
Bladder
  exstrophy of, 9
  management of, after abdominal surgical procedures, 752
Blood
  and plasma volume studies in acute surgical lesions of abdomen, 325
  replacement, massive, and ventricular fibrillation, 356
Bone
  carcinomatous invasion of, simulated by epithelial repair, 899
  facial, fractures of, 915
Bone, lost mandibular, replacement of, 857
  rarefied, calcium content of, 458
Bone-flap technic for cleft palate, 833
Book reviews, 644, 941
Breast
  cancer of (E.), 403
    and intraductal papilloma, 142
  carcinoma of, 151
  metastatic carcinoma of, 174
  reconstructive problems of, 26
  second, cancer of, 156
Burn scar contractures of axilla, 68
Burns, treatment of, 123
By-pass, heart-lung, with pump oxygenator, 287

Calcium content of rarefied bone, 458
Cancer
  detection test, optical density, 748
  follow-up examination for, 428
  in second breast, 156
  intraoral, 804
  of breast and intraductal papilloma, 142
    choice of surgery for (E.), 403
  of colon and rectum, 727
  of face, reconstructive surgery in, 94
  of palate, 885
Carcinoid of Meckel's diverticulum, 620
Carcinoma
  of breast, internal mammary node investigation in, 151
    metastatic, 174
  of colon and rectum, vascular invasion in, 704
  of jejunum and severe melena, 632
  of mouth, 890, 804
  of vulva, surgery for, 37
  primary, of Bartholin's gland, 490
Cecum, diverticulitis of, 616
Cheilitis glandularis with reconstruction of upper lip, 908
Chest, reconstructive problems of, 26
Cholecystectomy and common duct exploration, 341
Cleft
  lip, bilateral, with protruding premaxilla, 810
    unilateral, 836
  palate, bone-flap technic for, 833
    vomer flap technic for, 825
Colectomy
  and non-specific ulcerative colitis, 688

Colectomy, one-stage total, for ulcerative colitis, 696
Colitis
  chronic ulcerative, perianal infection in, 668
  non-specific ulcerative, and survival after colectomy, 688
  ulcerative, one-stage total colectomy for, 696
Colon
  cancer of, 727
  carcinoma of, vascular invasion in, 704
Colon, diverticulitis of, 672
  surgery of, 222
Colostomy and ileostomy, 208
Contracture
  burn scar, of axilla, 68
  Dupuytren's, 571
Cranioplasty, stainless steel, 393
Cyst, pilonidal, simultaneous anterior and posterior, 666

Dermal grafts for hernia, 606

Dermatome pliofilm stamp grafts, 107
Diagnosis of cancer, 428
Diarrheas and infections, postoperative, 770
Disease
  anorectal, physical therapeutic methods in, 792
  gallstone, surgery in, 374
  hematologic, oral manifestations of, 817
  malignant and benign proctologic, radium and x-rays for, 787
  occlusive, and arterial aneurysms, 255
  of common duct, 318
  von Recklinghausen's, 476
Diverticulitis
  of cecum, 616
  of colon, 672
Diverticulum
  duodenal, in common duct disease, 318
  invaginated Meckel's, 545
  Meckel's, 486
    carcinoid of, 620
  multiple duodenal, 445
Duct exploration, common, and cholecystectomy, 341
Duodenum
  diverticula of, in common duct disease, 318
  multiple diverticula of, 445
  ulcer of, vagotomy and pyloroplasty for, 202
Dupuytren's contracture, onset of, 571

Editorials

  Basis for choice of operation for cancer of breast, 493
  Education of physician, 645
  Maxillofacial surgery, 799
  Must we procrastinate, 1
  Unit of function, the, 339
Electrolyte studies during hypothermia, 228
Encephalocele, intranasal, repair of, 48
Enteritis, postoperative staphylococcal, 781
Enterocolitis, pseudomembranous, etiology of, 765
Enterotoxin of micrococcus pyogenes var. aureus in pseudomembranous enterocolitis, 765
Environment and changes in skin flap of constructed vagina, 4
Epithelial repair simulating carcinomatous invasion of bone, 899
Esophagus, gastric reflux into, and alterations of mucosa of gastroesophageal junction, 189
Evisceration, late perineal, after abdominoperineal resection, 622
Excision for arterial deformities, 261
Exophthalmos, progressive, restoration of vision in, 466
Exstrophy of bladder, closure of abdominal wall defect in, 9
Extramedical problems, panel discussion, 756
Eyelids, plastic surgery of, 61

Fabric

  for blood vessel grafts, 248
  teflon, as arterial grafts, 240
Face
  acute injuries to, 864
  angiomas or port-wine stains of, 849
  bilateral agenesia of, 81
  cancer of, 94
  fractures of, 12
  fractures of bones of, 915
  sinus tracts near midline of, 937
  skin grafts about, 801
Factitial proctitis, role of lymphatic destruction, 678
Fat graft, free, 40
Fetus and placenta, extrusion of, through wound of recent appendectomy, 624
Fibrillation, ventricular, during massive blood replacement, 356
Fibrosarcoma, spontaneous complete regression of, 162
Flap
  imbricated, 828
  vomer, in cleft palate surgery, 825
Foreign bodies, fixation and removal of, 931
Fractures
  of face, internal wire fixation of, 12
  of facial bones, 915
  of malar compound and zygomatic arch, 920
  of spine, 573
Function, unit of (E.), 339

Gallbladder, malignant melanoma of, 469

Gallstone disease, surgery in, 374
Gastropexy for hiatus hernia, 389
Gland, Bartholin's, carcinoma of, 490
Grafts
  arterial, use of teflon fabric in, 240
  blood vessel, fabric for, 248

Grafts, dermal, for hernia, 606
dermatome pliofilm stamp, 107
free fat, 40
skin, about face, 801
vascular, in replacement of arterial aneurysms and occlusive disease, 255
Gastric reflux into esophagus and alterations of mucosa of gastroesophageal junction, 189
Gastroesophageal junction
alterations of mucosa of, 189
function of, 194
Granulomas, large symptomatic, 640
Ground substance in surgical concepts, 361

Hand, reconstructive surgery of, 88

Head and neck, immediate closure of skin defects about, 120
Headaches, spinal and postconcussion, 441
Heart-lung by-pass with pump oxygenator, 287
Hemangiomas, surgery for, 75
Hematologic disease, oral manifestations of, 817
Hernia
dermal grafts for, 606
hiatus, gastropexy for, 389
incarcerated congenital diaphragmatic, 472
inguinal, combined inguinoabdominal repair of, 314
of pelvic viscera, 436
obturator, 562
perineal, after abdominoperineal resection, 735
repairs, complications of, 640
Hypothermia, electrolyte studies during, 228

Ileostomy and colostomy, 208

Implants, polyethylene, for correcting mandibular contour, 538
Infection
and diarrhea, postoperative, 770
hospital, 233
of wounds and chronic sinus tracts, enzymes for, 496
perianal, in chronic ulcerative colitis, 668
Inguinoabdominal repair of inguinal hernia, 314
Injuries to soft tissues and bony structures of face, 864
Inoculation
intrathecal, of mouse sarcoma 180 in horse, 514
of mouse sarcoma 180 and 37 in cat and dog, 507
Intussusception
due to invaginated Meckel's diverticulum, 545
jejunojejunogastric, 636

Jaundice
obstructive, liver function tests in, 333
surgical aspects of, 532
Jaw replacement, vitallium, 904
Jejunum, primary carcinoma of, 632

Knee, unstable, 380

Labor, appendectomy during first stage of, 480
Lesions
acute surgical, of abdomen, 325
solitary pulmonary coin, 300
Levophed and skin sloughs, 594
Lid, ptosis of, and angiomas or port-wine stains of face, 849
Lip
bilateral cleft, with protruding premaxilla, 810
carcinoma of, 890
unilateral cleft, 836
upper, epithelial repair during reconstruction of, 899
reconstruction of, for cheilitis glandularis, 908
Lipoid substances, intravenous, for surgical patients, 292
Lipomatosis of ileocecal region, 214
Liver function tests in obstructive jaundice, 333

Malar compound, fractures of, 920

Mandible
correction of contour of, 538
mucoepidermoid tumor of, 872
surgery of, 840
Mandibular bone, replacement of, 857
Maxillofacial surgery, 779–940
Meckel's diverticulum, 486
carcinoid of, 620
invaginated, and intussusception, 545
Melanoma, malignant, of gallbladder, 469
Melena due to primary carcinoma of jejunum, 632
Microdermatome, theory of, 806
Miles' resection, management of patients undergoing, 453
Mouse sarcoma 180, intrathecal inoculation of, in horse, 514
Mouse sarcoma 180 and 37, intrathecal inoculation of, in cat and dog, 507
Mouth, carcinoma of, 890, 894

Nausea and vomiting, postoperative, 423

Neck
and head, immediate closure of skin defects about, 120
congenital webbing of, 115
Necrosis, skin, after intravenous norepineprine, 566
Needle fragments, fixation and removal of, 931
Nerve stimulator, 929
Neurofibrosarcoma, simultaneous, of breast and back, 476
Node, internal mammary, in carcinoma of breast, 151
Nodules, submucosal rectal, 657
Norepinephrine, intravenous, skin necrosis after, 566
Nose, subtotal defects of, 57

Obturator hernia, 562

Oophorectomy and adrenalectomy with autotransplantation of adrenal cortex to mesentery for carcinoma of breast, 174
Optical density cancer detection test, 748
Oral cavity, malignant tumors of, 877
Oral manifestations of hematologic disease, 817
Oxygenator, pump, for heart-lung by-pass, 287

Palate
  cancer of, 885
  cleft, bone-flap technic for, 833
    vomer flap technic for, 825
Papilloma, intraductal, and cancer of breast, 142
Paraplegia, reconstructive surgery in, 96
Penis, total loss of, 403
Perianal infection in chronic ulcerative colitis, 668
Perineal hernia after abdominoperineal resection, 735
Physical therapeutic methods in anorectal disease, 792
Physician, education of (E.), 645
Pilonidal cyst, simultaneous anterior and posterior, 666
Placenta and fetus, extrusion of, through wound of recent appendectomy, 624
Plasma and blood volume studies in acute surgical lesions of abdomen, 325
Plastic reconstructive surgery after total loss of penis, 403
Plastic surgical dressing, 608
Pliofilm stamp grafts, 107
Pneumatosis cystoides intestinalis, 648
Polyethylene implants for correcting mandibular contour, 538
Port-wine stains of face, 849
Premaxilla, protruding, with bilateral cleft lip, 810
Presidential addresses
  American Proctologic Society, 645
  Pacific Coast Surgical Association, 139
Proctitis, factitial, 678
Proctology, psychiatric aspects of practice of, 683
Proctosigmoidectomy, abdominoperineal, management of bladder after, 752
Prosthesis, metal, inserted after exarticulation of mandibular tumor, 872
Psychiatric aspects of plastic surgery, 103
Psychiatry in proctologic practice, 683
Pterygium colli, 115
Ptosis of lid and angiomas or port-wine stains of face, 849
Pulmonary coin lesions, solitary, 300
Pyloroplasty for duodenal ulcer, 202

Radiation
  changes after, and reconstruction of entire anterior abdominal wall, 54
  of malignant oral tumors, 877
  surgery for effects after, 18
Radium for malignant and benign proctologic diseases, 787
Rectum
  cancer of, 727
  carcinoma of, vascular invasion in, 704
  submucosal nodules of, 657
Resection
  abdominoperineal, and late perineal evisceration, 622
    followed by perineal hernia, 735
  Miles', management of patients undergoing, 453

Schistosomiasis mansoni, diagnosis of, 743

Sialography, a non-irritating medium, 603
Sigmoidoscopy
  in diagnosis of schistosomiasis mansoni, 743
  traction, 700
Sinus tracts
  chronic, enzymes for, 496
  near midline of face, 937
Skin
  defects about head and neck, immediate closure of, 120
  flap of constructed vagina, changes in, 4
  grafts about face, 801
  necrosis after intravenous norepinephrine, 566
  sloughs and levophed, 594
Sloughs, skin, and levophed, 594
Spine, fracture of, 573
Stomach, ulcer of greater curvature of, 482
Surgeon, the (presidential address), 139
Surgery
  extensive abdominal, management of bladder after, 752
  for adamantinoma, 852
  for cancer of breast (E.), 493
  for carcinoma of vulva, 37
  for hemangiomas, 75
  for hiatus hernia, 389
  for injuries to soft tissues and bony structures of face, 864
  for jaundice, 532
  for local postradiation effects, 18
  for multiple duodenal diverticula, 445
  for presacral tumors, 710
  for replacement of lost mandibular bone, 857
  for solitary pulmonary coin lesions, 300
  in gallstone disease, 374
  of cleft palate, bone-flap technic in, 833
  of colon, single layer anastomosis in, 222
  of mandible, 840
  plastic and reconstructive, 1–122
  plastic dressing for, 608
  plastic, of eyelids, 61
    psychiatric aspects of, 103
    reconstructive, after total loss of penis, 403
  reconstructive, for subtotal nasal defects, 57
    in cancer of face, 94
    in paraplegia, 96

Surgery, reconstructive, of hand, 88
use of intravenous lipoid substances after, 292
Suture technic and growth of arterial anastomoses, 462
Symposia
on extramedical problems, 756–764
on physical agents used in treatment of anorectal diseases, 787–798
on postoperative diarrheas and infections, 765–786

Teflon fabric as arterial grafts, 240

Temporomandibular joints, hypermobility of, 925
Test, optical density cancer detection, 748
Tracheostomy in surgical practice, 416
Traction sigmoidoscopy, 700
Treacher Collins syndrome, 81
Tumor
antibodies, heterologous, production of, 514
mucoepidermoid, of mandible, 872
malignant, oral, radiation for, 877
spontaneous regression of, 162
presacral, surgery for, 710

Ulcer

duodenal, vagotomy and pyloroplasty for, 202
of greater gastric curvature, 482
Ulcerative colitis
chronic perianal infection in, 668
non-specific, and survival after colectomy, 688
one-stage total colectomy for, 696
Ureter, retrocaval, 628

Vagina, constructed, changes in skin flap of, due to environment, 4
Vagotomy for duodenal ulcer, 202
Viscera, pelvic, inguinal hernia of, 436
Vision, restoration of, in progressive exophthalmos, 466
Vitallium jaw replacement, 904
Vomer flap technic in cleft palate surgery, 825
Vomiting and nausea, postoperative, 423
von Recklinghausen's disease and simultaneous neurofibrosarcoma of breast and back, 476
Vulva, carcinoma of, 37

Wire fixation of facial fractures, 12

Wound disruption, abdominal, with eventration, 271

X-rays for malignant and benign proctologic diseases, 787

Zygomatic arch, fractures of, 920

The American Journal of Surgery

Editor THURSTON SCOTT WELTON, M.D., NEW YORK

ASSOCIATE EDITORS

BRADLEY L. COLEY, M.D., *NewYork;* ARNOLD S. JACKSON, M.D., *Madison;* E. ERIC LARSON, M.D., *Los Angeles*

ADVISORY BOARD

LYON H. APPLEBY, M.D., *Vancouver;* CLAUDE S. BECK, M.D., *Cleveland;* H. GLENN BELL, M.D., *San Francisco;* CLARENCE J. BERNE, M.D., *Los Angeles;* B. MARDEN BLACK, M.D., *Rochester, Minn.;* GEORGE R. BRIGHTON, M.D., *N.Y.;* MEREDITH F. CAMPBELL, M.D., *Miami;* JAMES T. CASE, M.D., *Santa Barbara;* DWIGHT E. CLARK, M.D., *Chicago;* RANDOLPH LEE CLARK, JR., M.D., *Houston;* ISIDORE COHN, M.D., *New Orleans;* FREDERICK A. COLLER, M.D., *Ann Arbor;* PAUL C. COLONNA, M.D., *Philadelphia;* GORDON S. FAHRNI, M.D., *Vancouver;* EGBERT H. FELL, M.D., *Chicago;* HERBERT C. FETT, M.D., *Brooklyn;* EMIL GOETSCH, M.D., *Brooklyn;* CHARLES A. GORDON, M.D., *Brooklyn;* DONALD GUTHRIE, M.D., *Sayre, Pa.;* LOUIS J. HIRSCHMAN, M.D., *Detroit;* EMILE F. HOLMAN, M.D., *San Francisco;* CLAUDE J. HUNT, M.D., *Kansas City, Mo.;* THOMAS J. KIRWIN, M.D., *N.Y.;* WALTER G. MADDOCK, M.D., *Chicago;* RUDOLPH MATAS, M.D., *New Orleans;* CARL A. MOYER, M.D., *St. Louis;* D. W. GORDON MURRAY, M.D., *Toronto;* H. C. NAFFZIGER, M.D., *San Francisco;* EMIL NOVAK, M.D., *Baltimore;* CLARENCE R. O'CROWLEY, M.D., *Christmas Cove, Me.;* NEAL OWENS, M.D., *New Orleans;* VICTOR RICHARDS, M.D., *San Francisco;* HUBERT A. ROYSTER, M.D., *Raleigh;* HENRY S. RUTH, M.D., *Philadelphia;* ROBERT L. SANDERS, M.D., *Memphis;* GRANT E. WARD, M.D., *Baltimore.*

VOLUME 92

JULY TO DECEMBER

1956

THE AMERICAN JOURNAL OF SURGERY, INC.

49 WEST 45TH STREET, NEW YORK 36, N. Y.

MCMLVI

COPYRIGHT, 1956
BY THE AMERICAN JOURNAL OF SURGERY, INC.
All Rights Reserved

Printed in the United States of America

Contents of Volume 92
Scientific Papers

Must We Procrastinate?	*Neal Owens*	1
Changes in Skin Flap of a Constructed Vagina Due to Environment	*George Warren Pierce*, *E. Horace Klabunde*, *Gerald Brown O'Connor*, *Allen H. Long*	4
A Method of Closure of the Abdominal Wall Defect in Exstrophy of the Bladder	*W. H. Steffensen*, *J. A. Ryan*, *E. A. Sinclair*	9
Internal Wire Fixation of Facial Fractures. A Fifteen-Year Follow-up Report	*Wm. Milton Adams*, *Lorenzo H. Adams*	12
The Surgical Management of Local Postradiation Effects	*J. J. Longacre*	18
Reconstructive Problems of the Chest and Breast	*Kathryn Lyle Stephenson*, *Jack M. Mosely*	26
Surgery for Carcinoma of the Vulva	*Jason H. Collins*, *Richard G. Burman*, *Neilson M. Mathews*	37
The Neglected "Free Fat Graft," Its Behavior and Clinical Use	*Lyndon A. Peer*	40
A Method of Repair for Intranasal Encephalocele	*Frederick A. Figi*, *Winchell McK. Craig*, *Milton E. Kurth*	48
Reconstruction of the Entire Anterior Abdominal Wall in the Presence of Postradiation Changes	*James E. Pridgen*, *Charles W. Tennison*	54
Reconstruction of Subtotal Nasal Defects	*Gerald Brown O'Connor*, *Mar W. McGregor*	57
Plastic Surgery of the Eyelids	*Kenneth Pickrell*, *Nicholas Georgiade*, *Carter Maguire*, *Hugh Crawford*	61
Burn Scar Contractures of the Axilla	*S. M. Dupertuis*, *Ross H. Musgrave*	68
Hemangiomas and Their Surgical Treatment	*James T. Mills*	75
Bilateral Facial Agenesia (Treacher Collins Syndrome)	*Clifford C. Snyder*	81
Principles of Reconstructive Surgery of the Hand	*J. William Littler*	88

The Role of Reconstructive Surgery in Cancer of the Face	*C. R. Straatsma*	94
Reconstructive Surgery in Paraplegia	*William C. Meloy* *Robert L. Harding*	96
Psychiatric Aspects of Plastic Surgery	*T. G. Blocker, Jr.*	103
Dermatome Pliofilm Stamp Grafts	*S. Baron Hardy* *J. Wallace McNichol*	107
Congenital Webbing of the Neck (Pterygium Colli)	*Albert D. Davis*	115
Immediate Closure of Skin Defects about the Head and Neck	*Hardee Bethea*	120
Burns. An Outline for Treatment	*B. Bernard Kaye*	123
The Surgeon	*Louis P. Gambee*	139
Management of Intraductal Papilloma. Its Relationship to Cancer of the Breast	*Martin A. Howard* *Millard S. Rosenblatt*	142
Internal Mammary Node Investigation in Carcinoma of the Breast	*William B. Hutchinson* *Lawrence B. Kiriluk*	151
Cancer in the Second Breast	*Alson R. Kilgore* *H. Glenn Bell* *Richard E. Ahlquist, Jr.*	156
Spontaneous Regression of Malignant Tumors. Report of a Twelve-Year Spontaneous Complete Regression of an Extensive Fibrosarcoma, with Speculations about Regression and Dormancy	*Leonard Dobson* *Lloyd B. Dickey*	162
Autotransplantation of the Adrenal Cortex to the Mesentery Combined with Adrenalectomy and Oophorectomy in the Treatment of Metastatic Carcinoma of the Breast	*Donald E. Bernstein* *Gerson R. Biskind* *A. Lincoln Brown*	174
The Effect of Alterations of the Mucosa of the Gastroesophageal Junction upon Gastric Reflux into the Esophagus	*Roy Cohn* *Wm. G. Magladry, Jr.*	189
Clinical Observations on the Function of the Gastroesophageal Junction	*Roy Cohn* *Myron Close* *George Weston*	194
Vagotomy and Pyloroplasty in the Treatment of Duodenal Ulcer	*Joseph A. Weinberg* *Stephen J. Stempien* *Herbert J. Movius* *Angelo E. Dagradi*	202
Colostomy and Ileostomy, a Simplified Technic	*Paul W. Johnston* *Herbert J. Movius*	208

Lipomatosis of the Ileocecal Region	*Dean B. Seabrook, Rudolf Stevens, Virginia Scholl, Joseph Noblgren*	214
Ten Years' Experience with a Single Layer Anastomosis in Colon Surgery	*Louis P. Gambee, William Garnjobst, Clifford E. Hardwick*	222
Electrolyte Studies in Experimental Animals during Hypothermia	*Rodney T. Smith*	228
Some Aspects of Hospital Infection	*H. Rocke Robertson, J. C. Colbeck, W. H. Sutherland*	233
The Use of Teflon Fabric as Arterial Grafts. An Experimental Study in Dogs	*George W. Girvin, Morton C. Wilbelm, K. Alvin Merendino*	240
Selection and Preparation of Fabric for Blood Vessel Grafts	*J. Karl Poppe, David Miller, Blair Thatcher*	248
Vascular Grafting in the Replacement of Arterial Aneurysms and Occlusive Disease	*Dean K. Crystal, Clyde L. Wagner, Allan W. Lobb*	255
Excisional Treatment of Arterial Deformities	*William H. Muller, Jr., Richard F. Riley, Harold V. Liddle*	261
Abdominal Wound Disruption with Eventration. Report of Forty Cases	*Tirso del Junco, Henry J. Lange*	271
The Technic of Heart-Lung By-pass with a Pump Oxygenator. Physiologic Studies	*John Osborn, Frank Gerbode, Herbert Perkins, Raymond Hurt*	287
The Use of Intravenous Lipoid Substances in Surgical Patients	*Donald E. Hine, Harold A. Harper, H. J. McCorkle, Louis G. Brizzolara*	292
Surgical Implications of Solitary Pulmonary Coin Lesions. A Review of the English Literature and Report of Thirty-six Cases.	*Col. S. W. French, III, Lieut. Col. M. A. Pfotenbauer, Jr., Maj. Joseph Castagno, Carleton Mathewson, Jr.*	300
An Unusual Biliary Obstructive Syndrome	*John P. Trommald*	307
The Combined Inguinoabdominal Repair of Inguinal Hernia	*Gordon K. Smith, Norman E. Rudy*	314

Duodenal Diverticula in Common Duct Disease	*Blake C. Wilbur* *George W. Reimer* *Ralph D. Cressman*	318
Blood and Plasma Volume Studies in Patients with Acute Surgical Lesions of the Abdomen	*Eugene J. Joergenson* *Harry A. Davis* *Morton Woolley*	325
Liver Function Tests in Obstructive Jaundice. Review of Results in 100 Cases	*John Armes Gius* *Michel Jurayj*	333
The Unit of Function	*Sidney Vernon*	339
Technic for Cholecystectomy and Common Duct Exploration	*John L. Madden* *William J. McCann*	341
Ventricular Fibrillation during Massive Blood Replacement	*William S. Howland* *C. Paul Boyan* *Olga Schweizer*	356
The Importance of Ground Substance in Surgical Concepts	*Sidney Vernon*	361
Vascular Changes and Clinical Results Obtained with the Solution of Benzyl Cinnamate with Vitamin A in Arteriosclerotic Lesions. A Preliminary Report	*Jacob Jacobson*	370
The Problem of Surgical Indication in Gallstone Disease	*Nathan J. Salz* *Edmund M. Luttwak*	374
The Unstable Knee	*Robert W. Augustine*	380
Gastropexy As the Lone Procedure in the Surgical Repair of Hiatus Hernia	*R. Nissen*	389
Stainless Steel Cranioplasty	*Michael Scott* *Henry T. Wycis* *Frederick Murtagh*	393
Plastic Reconstructive Surgery after Total Loss of the Penis	*Pablo A. Morales* *John J. O'Connor, Jr.* *Robert S. Hotchkiss*	403
Three Cases Illustrating the Value of Transduodenal Approach in Ampullary Obstruction	*Alfred Haas* *Saul Alfred Ritter*	409
Tracheostomy. Indications and Technic in Surgical Practice	*Harvey W. Baker* *Robert A. Wise*	416
Prophylaxis of Postoperative Nausea and Vomiting	*Horace A. Albertson* *Hugh H. Trout, Jr.* *F. Willson Daily*	423
Follow-up Examination for Cancer. With a Few Remarks on the Diagnosis of Cancer	*Harry C. Saltzstein*	428

Inguinal Hernia of the Pelvic Viscera in Female Infants	*Ernest E. Arnheim* *Jerome M. Linder*	436
Spinal Headache and Postconcussion Headache. Preliminary Report	*Bernard Judovich* *Golda R. Nobel* *Pedro Polakoff* *William Sagen*	441
Surgical Treatment of Multiple Duodenal Diverticula	*Everett Carlson* *Alfred Goldyne*	445
Pre- and Postoperative Management of Patients Undergoing Miles' Resection	*Timothy A. Lampbier* *William Wickman*	453
Calcium Content of Rarefied Bone	*Alexander Lichtor* *Joseph Lichtor*	458
The Effect of Suture Technic upon the Growth of Arterial Anastomoses	*Ralph K. Zeck* *Lloyd M. Nybus* *Charles A. Griffith* *Henry N. Harkins*	462
Restoration of Vision in a Case of Progressive Exophthalmos	*Arnold S. Jackson*	466
Malignant Melanoma of the Gallbladder	*Harold A. Kazmann* *Charles L. Zukaukas*	469
Incarcerated Congenital Diaphragmatic Hernia	*Bernard J. Ficarra*	472
Simultaneous Neurofibrosarcoma of the Breast and Back in von Recklinghausen's Disease	*Loyde H. Hudson* *Thomas R. Cox*	476
Appendectomy Performed during the First Stage of Labor	*Lieut. C. T. Michele* *John K. Knorr* *E. W. Shearburn*	480
Ulcer of the Greater Gastric Curvature	*Alexander Solosko* *James L. Killius* *Ross St. Clair Rumbaugh* *Benedict Skitarelic*	482
Meckel's Diverticulum	*Capt. A. David Schwartz*	486
Primary Carcinoma of Bartholin's Gland	*Benjamin Newman* *David B. Gray*	490
Basis for Choice of Operation for Cancer of the Breast	*Thomas C. Case*	493
Treatment of Infected Wounds and Chronic Sinus Tracts with Enzymes: Plasmin (Fibrinolysin) and Hyaluronidase and Antibiotics	*I. Robert Spier* *Thomas Rees* *Eugene E. Cliffton*	496

Intrathecal Inoculation of Mouse Sarcoma 180 and 37 in the Cat and Dog	*Elias Lincoln Stern*	507
Intrathecal Inoculation of Mouse Sarcoma 180 in the Horse. Production of Heterologous Tumor Antibodies	*Elias Lincoln Stern*	514
Surgical Aspects of Jaundice	*Martin A. Howard*	532
Precision-Formed Polyethylene Implants for Correction of Mandibular Contour	*Burke B. Shevick*	538
Intussusception Due to Invaginated Meckel's Diverticulum. Presentation of Two Cases and an Analysis of Fifty-two Cases Collected from the Literature	*Joseph L. Ponka*	545
Acute Appendicitis in Infancy and Childhood. A Critical Review of Seven Years' Experience in a Children's Hospital	*Charles W. McLaughlin, Jr.* *Claude Organ*	558
Obturator Hernia	*Jack R. Harper* *James H. Holt*	562
Skin Necrosis Following Intravenous Use of Norepinephrine. Report of Six Cases	*Richard A. Shapiro* *Samuel Perlow*	566
Dating the Onset of Dupuytren's Contracture	*John J. Moorhead*	571
Fracture of the Spine	*M. Beckett Howorth*	573
Skin Sloughs Associated with Levophed. Pathogenesis, Prevention and Treatment	*Joseph T. McGinn* *Joseph Schluger*	594
Sialography. A Non-irritating Medium	*Casper M. Epsteen*	603
Consideration of the Use of Dermal Grafts in the Repair of Hernia	*H. Littna*	606
Clinical Application of a New Plastic Surgical Dressing in 400 Cases	*David J. Wexler* *Fred Bromberg* *Morris L. Rakietan* *Bernard J. Ryan*	608
Diverticulitis of the Cecum	*Walter H. Gerwig, Jr.* *Stanley C. Baker* *M. Ali Raad*	616
Carcinoid of Meckel's Diverticulum	*Peter Parnassa* *Murry N. Friedman* *John J. Cincotti*	620
Late Perineal Evisceration Following Abdominoperineal Resection	*Morris W. Greenberg*	622
Extrusion of a Macerated Fetus and Placenta through the Wound of a Recent Appendectomy	*Adrian Westerband* *Scott J. Boley* *Robert E. Rothenberg*	624

A Diagnostic Method for Retrocaval Ureter.	*David Presman* *Raymond Firfer*	628
A Case of Severe Melena Due to Primary Carcinoma of the Jejunum	*G. L. Mouzas* *F. Huber*	632
Jejunojejunogastric Intussusception	*Gordon F. Madding* *Bernard F. McLaughlin* *Robert De Riemer*	636
Unusual Complications of Hernia Repairs: Large Symptomatic Granulomas	*W. E. Brandt*	640
Book Review		644
Education of the Physician	*Stuart T. Ross*	645
Pneumatosis Cystoides Intestinalis	*J. Edwin Alford* *Giovanni Galletti* *Gordon J. Culver*	648
Submucosal Rectal Nodules. A Clinicopathologic Review	*Frank C. Swartzlander* *Raymond J. Jackman* *Malcolm B. Dockerty*	657
Simultaneous Anterior and Posterior Pilonidal Cyst	*M. D. Redding*	666
Observations on the Problem of Perianal Infection in Chronic Ulcerative Colitis	*Urban R. Finnerty*	668
Treatment of Diverticulitis of the Colon. Choice of Operation	*Henry K. Ransom*	672
Factitial Proctitis. The Role of Lymphatic Destruction	*J. F. Wenzel*	678
Psychiatric Aspects of Proctologic Practice	*Richard M. Alexander*	683
Non-specific Ulcerative Colitis, with Reference to Mortality, Morbidity, Complications and Long-Term Survivals Following Colectomy	*Harry E. Bacon* *Lin Min Ou Yang* *Paul T. Carroll* *Bruce A. Cates* *Guillermo Villalba* *Robert A. McGregor*	688
One-Stage Total Colectomy for Ulcerative Colitis	*Laurence S. Fallis*	696
Traction Sigmoidoscopy	*A. E. Moore*	700
Vascular Invasion in Carcinoma of the Colon and Rectum	*Francis J. Burns* *John Pfaff, Jr.*	704
The Surgical Management of Presacral Tumors	*Robert J. Rowe* *Dewitt T. Brock*	710

Recent Trends in the Treatment of Cancer of the Colon and Rectum	*Neil W. Swinton*	727
Perineal Hernia Following Abdominoperineal Resection	*Harold E. Hullsiek*	735
Anorectoplasty: Complications and Final Results	*William A. McMahon*	739
Diagnosis of Schistosomiasis Mansoni by Sigmoidoscopy and Transparency Biopsy of the Rectal Mucous Membrane	*Benjamin W. Warner*	743
Experience with the Optical Density Cancer Detection Test	*Paul J. Fuzy, Jr.*	748
Management of the Bladder Following Abdominoperineal Proctosigmoidectomy and Other Extensive Abdominal Surgical Procedures. A Fifteen-Year Survey	*Lowrain E. McCrea* *Harry E. Bacon*	752
Panel Discussion		756
The Role of Enterotoxin of Micrococcus Pyogenes var. Aureus in the Etiology of Pseudomembranous Enterocolitis	*G. M. Dack*	765
Management of Postoperative Diarrheas and Infections	*Frank P. Foster* *John L. Dadey*	770
Postoperative Staphylococcal Enteritis	*Rupert B. Turnbull*	781
Radium and X-rays in the Treatment of Malignant and Benign Proctologic Diseases	*Paul W. Scanlon*	787
Physical Therapeutic Methods in Anorectal Disease	*Gordon M. Martin*	792
Editorial	*Casper M. Epsteen*	799
Skin Grafts About the Face	*James Barrett Brown* *Minot P. Fryer*	801
The Theory of the Microdermatome	*John A. Jenney* *Pincus Sherman*	806
Management of the Bilateral Cleft Lip with Protruding Premaxilla	*Thomas D. Cronin*	810
Oral Manifestations of Hematologic Disease	*Walter Wm. Dalitsch*	817
Results of the Vomer Flap Technic Used in Surgery of the Cleft Palate during the Past Eleven Years	*Fred Squier Dunn*	825
The Imbricated Flap	*William C. Huffman* *Dean M. Lierle*	828

Bone-Flap Technic in Surgery of the Cleft Palate	*Volney B. Hyslop* *Sidney K. Wynn* *Thomas Zwemer*	833
Repair of the Unilateral Cleft Lip	*W. H. Steffensen* *E. A. Sinclair*	836
Surgery of the Mandible. Some Clinical Considerations	*Bernard G. Sarnat* *Irwin B. Robinson*	840
Removal of Angiomas or Port-wine Stains from the Face. Associated Ptosis of the Lid and Its Correction	*Alan L. Rowland*	849
The Surgical Treatment of Adamantinoma. A Further Report	*M. J. Hickey* *L. W. Ballantyne* *J. A. Macdonald* *R. M. Rankow*	852
A New Surgical Technic for the Replacement of Lost Mandibular Bone	*Arthur E. Smith* *Marsh Robinson*	857
The Surgical Treatment of Acute Injuries to the Soft Tissues and Bony Structures of the Face	*Orion H. Stuteville*	864
Mucoepidermoid Tumor of the Mandible. Exarticulation of Tumor and Insertion of Metal Prosthesis	*Charles Tarnai*	872
Radiation Therapy of Malignant Tumors of the Oral Cavity	*Erich M. Uhlmann*	877
Cancer of the Palate	*Joseph G. Kostrubala*	885
Carcinoma of the Mouth I. Carcinoma of the Lip, a Statistical Study of 280 Cases	*Robert B. Clifton* *John C. Hardin, Jr.*	890
II. Intraoral Cancer, a Statistical Study of 223 Cases	*Robert B. Clifton* *John C. Hardin, Jr.*	894
Epithelial Repair Simulating Carcinomatous Invasion of Bone during Reconstruction of Upper Lip	*S. Gordon Castigliano*	899
Vitallium Jaw Replacement	*Armand Genest*	904
Cheilitis Glandularis with Reconstruction of the Upper Lip	*Reed O. Dingman* *Arthur C. Curtis*	908
Fractures of the Facial Bones	*Richard H. Walden* *Paul R. Woblgemuth* *John H. FitzGibbon*	915
An Analysis of the Etiology, Treatment and Complications of Fractures of the Malar Compound and Zygomatic Arch	*Bruce C. Martin* *John C. Trabue* *Thomas R. Leech*	920

Twenty Years' Experience in Treating Hypermobility of the Temporomandibular Joints	*Louis W. Schultz*	925
A Simple, Inexpensive Nerve Stimulator	*John J. Wolfe* *Sam Adams*	929
An Improved Method for the Localization, Fixation and Removal of Foreign Bodies. With Special Reference to Needle Fragments	*Walter Wm. Dalitsch*	931
Sinus Tracts Near the Midline of the Face	*John K. Grotting*	937
Book Reviews		941
Author Index to Volume 92		944
Subject Index to Volume 92		946